

2.

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/509,292
Source: PCT
Date Processed by STIC: 07-05-2005

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 07/05/2005

PATENT APPLICATION: US/10/509,292

TIME: 11:15:05

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

```

3 <110> APPLICANT: Mercia Pharma LLC
5 <120> TITLE OF INVENTION: Methods and Compositions for Treating and Preventing Eotaxin
6   Mediated Inflammatory Conditions
8 <130> FILE REFERENCE: MERPH.001
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/509,292
C--> 10 <141> CURRENT FILING DATE: 2004-09-23
10 <150> PRIOR APPLICATION NUMBER: US 60/367,591
11 <151> PRIOR FILING DATE: 2002-03-25
13 <160> NUMBER OF SEQ ID NOS: 61
15 <170> SOFTWARE: PatentIn version 3.2
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 74
19 <212> TYPE: PRT
20 <213> ORGANISM: Homo sapiens
22 <400> SEQUENCE: 1
24 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
25 1          5          10          15
28 Lys Ile Pro Leu Gln Arg Leu Glu Ser Tyr Arg Arg Ile Thr Ser Gly
29          20          25          30
32 Lys Cys Pro Gln Lys Ala Val Ile Phe Lys Thr Lys Leu Ala Lys Asp
33          35          40          45
36 Ile Cys Ala Asp Pro Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr
37          50          55          60
40 Leu Asp Gln Lys Ser Pro Thr Pro Lys Pro
41 65          70
44 <210> SEQ ID NO: 2
45 <211> LENGTH: 6
46 <212> TYPE: PRT
47 <213> ORGANISM: Artificial
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Eotaxin epitope
52 <400> SEQUENCE: 2
54 Gly Pro Ala Ser Val Pro
55 1          5
58 <210> SEQ ID NO: 3
59 <211> LENGTH: 7
60 <212> TYPE: PRT
61 <213> ORGANISM: Artificial
63 <220> FEATURE:
64 <223> OTHER INFORMATION: Eotaxin epitope
66 <400> SEQUENCE: 3
68 Gly Pro Ala Ser Val Pro Thr
69 1          5

```

RAW SEQUENCE LISTING

DATE: 07/05/2005

PATENT APPLICATION: US/10/509,292

TIME: 11:15:05

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

```

72 <210> SEQ ID NO: 4
73 <211> LENGTH: 8
74 <212> TYPE: PRT
75 <213> ORGANISM: Artificial
77 <220> FEATURE:
78 <223> OTHER INFORMATION: Eotaxin epitope
80 <400> SEQUENCE: 4
82 Gly Pro Ala Ser Val Pro Thr Thr
83 1 5
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 9
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Eotaxin epitope
94 <400> SEQUENCE: 5
96 Gly Pro Ala Ser Val Pro Thr Thr Cys
97 1 5
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 10
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Eotaxin epitope
108 <400> SEQUENCE: 6
110 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys
111 1 5 10
114 <210> SEQ ID NO: 7
115 <211> LENGTH: 11
116 <212> TYPE: PRT
117 <213> ORGANISM: Artificial
119 <220> FEATURE:
120 <223> OTHER INFORMATION: Eotaxin epitope
122 <400> SEQUENCE: 7
124 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe
125 1 5 10
128 <210> SEQ ID NO: 8
129 <211> LENGTH: 12
130 <212> TYPE: PRT
131 <213> ORGANISM: Artificial
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Eotaxin epitope
136 <400> SEQUENCE: 8
138 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn
139 1 5 10
142 <210> SEQ ID NO: 9
143 <211> LENGTH: 13
144 <212> TYPE: PRT
145 <213> ORGANISM: Artificial

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/509,292

DATE: 07/05/2005

TIME: 11:15:05

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

```

147 <220> FEATURE:
148 <223> OTHER INFORMATION: Eotaxin epitope
150 <400> SEQUENCE: 9
152 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu
153 1          5          10
156 <210> SEQ ID NO: 10
157 <211> LENGTH: 14
158 <212> TYPE: PRT
159 <213> ORGANISM: Artificial
161 <220> FEATURE:
162 <223> OTHER INFORMATION: Eotaxin epitope
164 <400> SEQUENCE: 10
166 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala
167 1          5          10
170 <210> SEQ ID NO: 11
171 <211> LENGTH: 15
172 <212> TYPE: PRT
173 <213> ORGANISM: Artificial
175 <220> FEATURE:
176 <223> OTHER INFORMATION: Eotaxin epitope
178 <400> SEQUENCE: 11
180 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn
181 1          5          10          15
184 <210> SEQ ID NO: 12
185 <211> LENGTH: 16
186 <212> TYPE: PRT
187 <213> ORGANISM: Artificial
189 <220> FEATURE:
190 <223> OTHER INFORMATION: Eotaxin epitope
192 <400> SEQUENCE: 12
194 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
195 1          5          10          15
198 <210> SEQ ID NO: 13
199 <211> LENGTH: 17
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial
203 <220> FEATURE:
204 <223> OTHER INFORMATION: Eotaxin epitope
206 <400> SEQUENCE: 13
208 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
209 1          5          10          15
212 Lys
216 <210> SEQ ID NO: 14
217 <211> LENGTH: 18
218 <212> TYPE: PRT
219 <213> ORGANISM: Artificial
221 <220> FEATURE:
222 <223> OTHER INFORMATION: Eotaxin epitope
224 <400> SEQUENCE: 14

```

RAW SEQUENCE LISTING

DATE: 07/05/2005

PATENT APPLICATION: US/10/509,292

TIME: 11:15:05

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

226 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
 227 1 5 10 15
 230 Lys Ile
 234 <210> SEQ ID NO: 15
 235 <211> LENGTH: 19
 236 <212> TYPE: PRT
 237 <213> ORGANISM: Artificial
 239 <220> FEATURE:
 240 <223> OTHER INFORMATION: Eotaxin epitope
 242 <400> SEQUENCE: 15
 244 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
 245 1 5 10 15
 248 Lys Ile Pro
 252 <210> SEQ ID NO: 16
 253 <211> LENGTH: 20
 254 <212> TYPE: PRT
 255 <213> ORGANISM: Artificial
 257 <220> FEATURE:
 258 <223> OTHER INFORMATION: Eotaxin epitope
 260 <400> SEQUENCE: 16
 262 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
 263 1 5 10 15
 266 Lys Ile Pro Leu
 267 20
 270 <210> SEQ ID NO: 17
 271 <211> LENGTH: 21
 272 <212> TYPE: PRT
 273 <213> ORGANISM: Artificial
 275 <220> FEATURE:
 276 <223> OTHER INFORMATION: Eotaxin epitope
 278 <400> SEQUENCE: 17
 280 Gly Pro Ala Ser Val Pro Thr Thr Cys Cys Phe Asn Leu Ala Asn Arg
 281 1 5 10 15
 284 Lys Ile Pro Leu Gln
 285 20
 288 <210> SEQ ID NO: 18
 289 <211> LENGTH: 6
 290 <212> TYPE: PRT
 291 <213> ORGANISM: Artificial
 293 <220> FEATURE:
 294 <223> OTHER INFORMATION: Eotaxin epitope
 296 <400> SEQUENCE: 18
 298 Phe Asn Leu Ala Asn Arg
 299 1 5
 302 <210> SEQ ID NO: 19
 303 <211> LENGTH: 7
 304 <212> TYPE: PRT
 305 <213> ORGANISM: Artificial
 307 <220> FEATURE:

RAW SEQUENCE LISTING

DATE: 07/05/2005

PATENT APPLICATION: US/10/509,292

TIME: 11:15:05

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

```

308 <223> OTHER INFORMATION: Eotaxin epitope
310 <400> SEQUENCE: 19
312 Phe Asn Leu Ala Asn Arg Lys
313 1 5
316 <210> SEQ ID NO: 20
317 <211> LENGTH: 8
318 <212> TYPE: PRT
319 <213> ORGANISM: Artificial
321 <220> FEATURE:
322 <223> OTHER INFORMATION: Eotaxin epitope
324 <400> SEQUENCE: 20
326 Phe Asn Leu Ala Asn Arg Lys Ile
327 1 5
330 <210> SEQ ID NO: 21
331 <211> LENGTH: 9
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial
335 <220> FEATURE:
336 <223> OTHER INFORMATION: Eotaxin epitope
338 <400> SEQUENCE: 21
340 Phe Asn Leu Ala Asn Arg Lys Ile Pro
341 1 5
344 <210> SEQ ID NO: 22
345 <211> LENGTH: 10
346 <212> TYPE: PRT
347 <213> ORGANISM: Artificial
349 <220> FEATURE:
350 <223> OTHER INFORMATION: Eotaxin epitope
352 <400> SEQUENCE: 22
354 Phe Asn Leu Ala Asn Arg Lys Ile Pro Leu
355 1 5 10
358 <210> SEQ ID NO: 23
359 <211> LENGTH: 21
360 <212> TYPE: PRT
361 <213> ORGANISM: Artificial
363 <220> FEATURE:
364 <223> OTHER INFORMATION: Eotaxin epitope
366 <400> SEQUENCE: 23
368 Lys Lys Lys Trp Val Gln Asp Ser Met Lys Tyr Leu Asp Gln Lys Ser
369 1 5 10 15
372 Pro Thr Pro Lys Pro
373 20
376 <210> SEQ ID NO: 24
377 <211> LENGTH: 20
378 <212> TYPE: PRT
379 <213> ORGANISM: Artificial
381 <220> FEATURE:
382 <223> OTHER INFORMATION: Eotaxin epitope
384 <400> SEQUENCE: 24

```

RAW SEQUENCE LISTING ERROR SUMMARY

DATE: 07/05/2005

PATENT APPLICATION: US/10/509,292

TIME: 11:15:06

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28

Seq#:29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52

Seq#:53,54,55,56,57,58,59,60,61

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/509,292

DATE: 07/05/2005

TIME: 11:15:06

Input Set : D:\MERPH.001.ST25.txt

Output Set: N:\CRF4\07052005\J509292.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date